## INTERNATIONAL SEARCH REPORT



nternal, and application No.
PCT/JP03/04212

	A CLASS Int.	IFICATION OF SUBJECT MATTER C1 <sup>7</sup> C23C22/60		
	According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED			
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	Minimum documentation searched (classification system followed by classification symbols)  Int.Cl <sup>7</sup> C23C22/60			
	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1926–1996 Toroku Jitsuyo Shinan Koho 1994–2003 Kokai Jitsuyo Shinan Koho 1971–2003 Jitsuyo Shinan Toroku Koho 1996–2003			
Electronic data base consulted during the international search (name of data base and, where practicable, se			ch terms used)	
	C. DOCUMENTS CONSIDERED TO BE RELEVANT			
	Category*	Citation of document, with indication, where ap		Relevant to claim No.
AB	A	JP 52-76236 A (Toyo Kohan Co 27 June, 1977 (27.06.77), (Family: none)	., Ltd.),	1-2
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	Furth	er documents are listed in the continuation of Box C.	See patent family annex.	
	"A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search  priority date and not in conflict understand the principle or the document of particular relevance "X" document of particular relevance "Y" combined with one or more or combination being obvious to document member of the same than the priority date claimed  Date of the actual completion of the international search		priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
•			"&" document member of the same patent f	amily
			Date of mailing of the international search report  22 July, 2003 (22.07.03)	
	Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
	Facsimile No.		Telephone No.	

Form PCT/ISA/210 (second sheet) (July 1998)